

# Solar Workforce Training

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# Topics

- Introduce the solar instructor network
- Summarize activities to date
- Discuss future training priorities

# Solar Instructor Training

## CATEGORY 2:

### National Administrator

- Identifies and convenes solar experts, educators and industry representatives
- Facilitates the development of model curricula, establishment of best practices and the definition of career pathways
- Conducts national communication and outreach

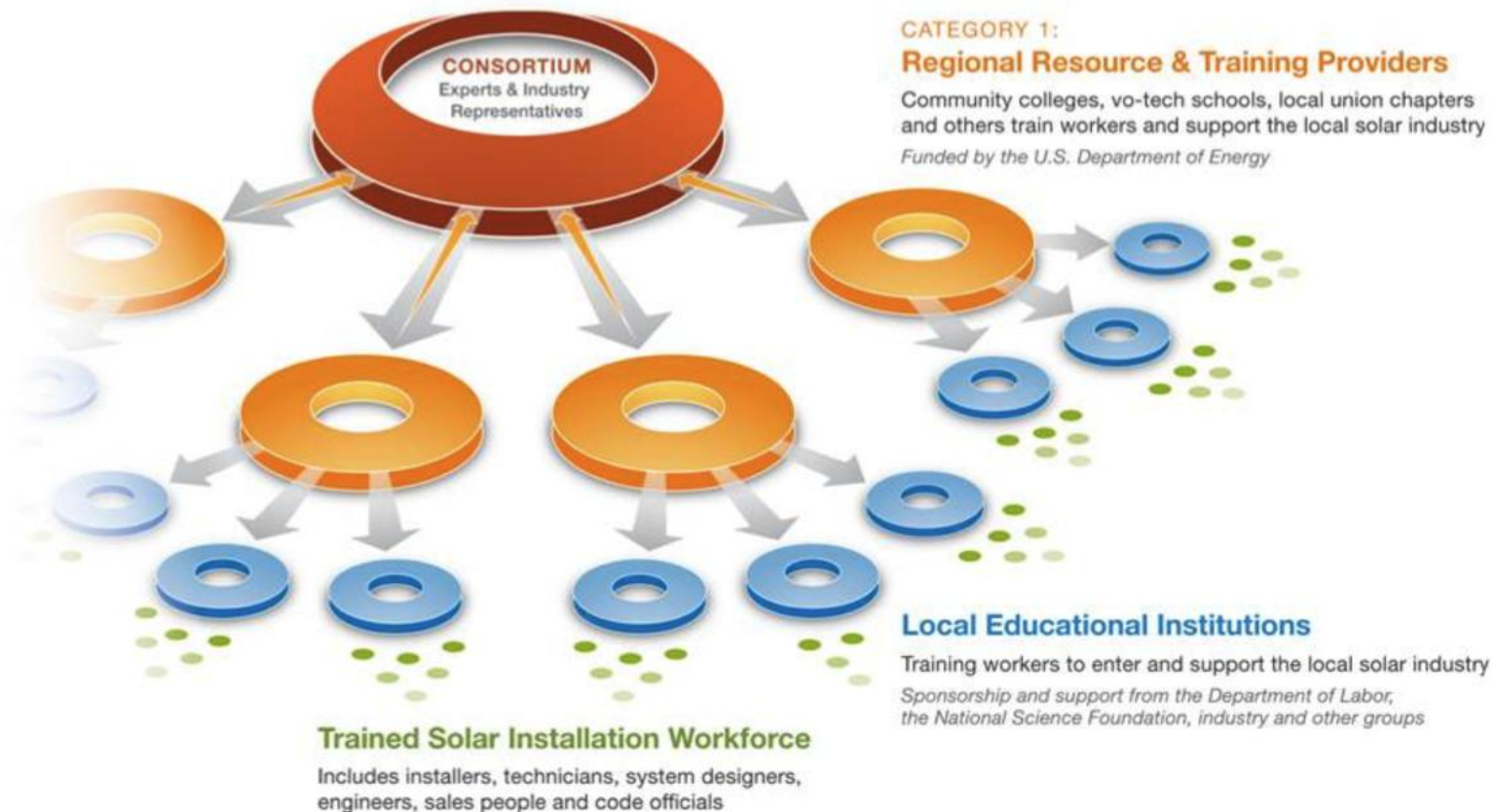
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## CATEGORY 1:

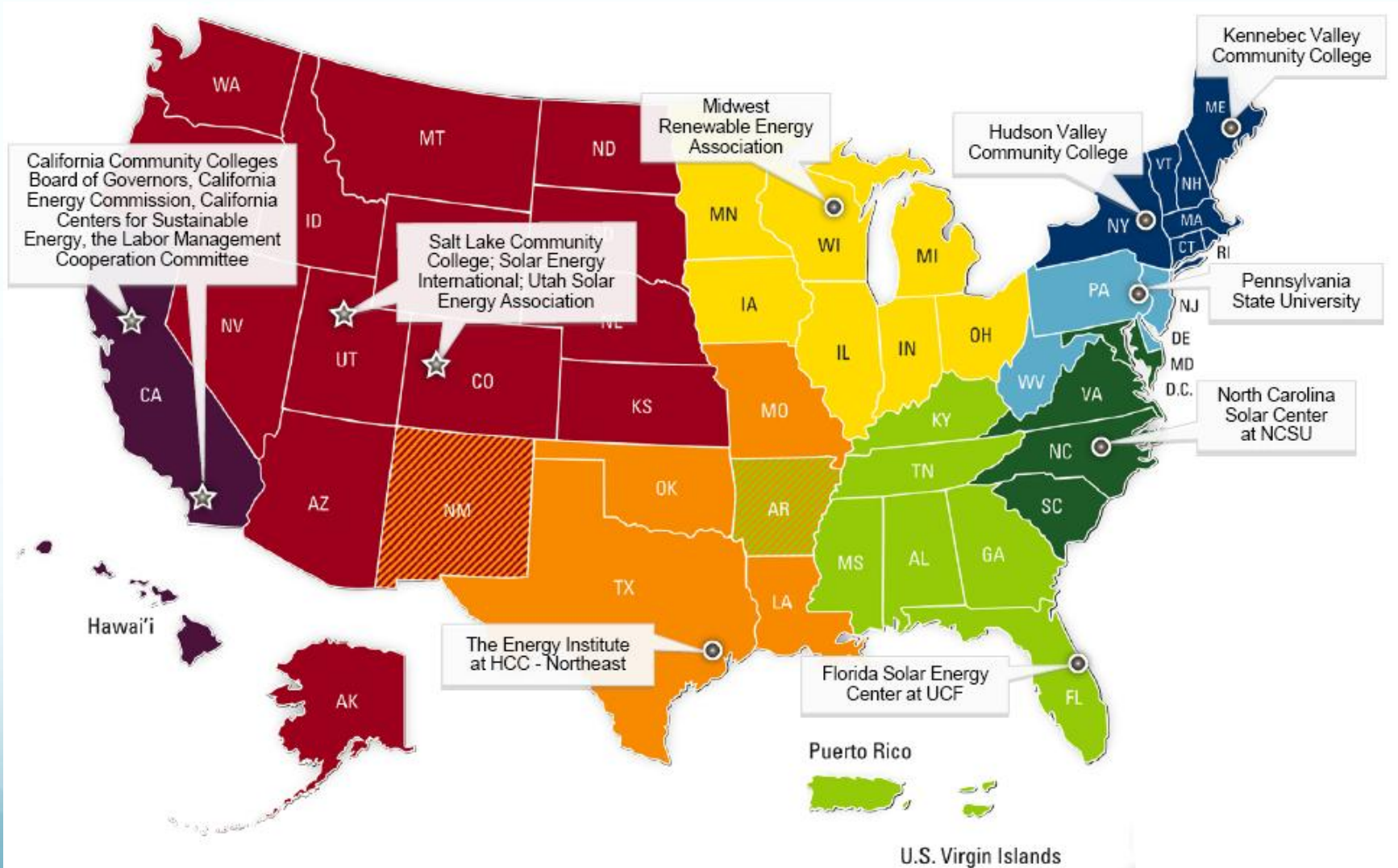
### Regional Resource & Training Providers

Community colleges, vo-tech schools, local union chapters and others train workers and support the local solar industry

*Funded by the U.S. Department of Energy*



[http://www1.eere.energy.gov/solar/instructor\\_training\\_network.html](http://www1.eere.energy.gov/solar/instructor_training_network.html)



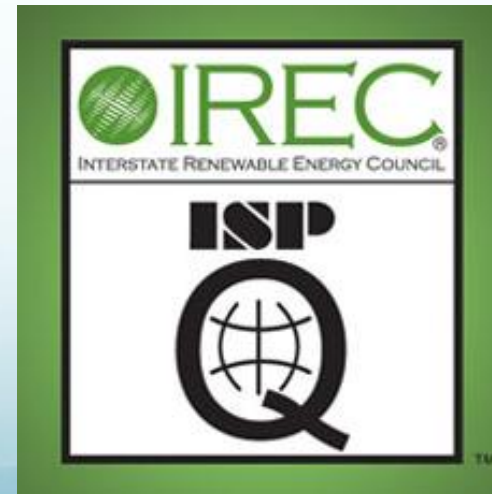
# Solar Accretitation

- Crucial Quality Control Mechanism



- Solar Installers

- Solar Instructors & Institutions



MIDWEST

# SOLAR TRAINING NETWORK

<http://www.midwestsolartraining.org/>

- Illinois – Heartland Community College
- Indiana – Purdue University
- Iowa – University of Northern Iowa
- Michigan – Northwest Michigan College
- Minnesota – Minnesota Renewable Energy Society
- Ohio – Green Energy Ohio
- Wisconsin – Midwest Renewable Energy Association



# Applied Energy Laboratory at Purdue University

- Focal point for teaching and research into high performance buildings.
- Solar photovoltaic and solar thermal systems that are remotely accessible over the internet



<http://www.tech.purdue.edu/met/aboutus/facilities/knoy427.cfm>

# Purdue Solar Decathlon 2011



Purdue Solar Decathlon Website: <http://www.purdue.edu/inhome>

DOE Solar Decathlon Website: <http://www.solardecathlon.gov/>



# Activities So Far...

- 1<sup>st</sup> round of instructor training
- Open source solar curriculum development
- Communications - <http://www.midwestsolartraining.org/>
- Survey of solar workforce activity in Indiana

# Solar Workforce Advisory Group

- Tom Conway – Blue Green Alliance
- Bill Crawford – American Solar Integrators
- Alex Jarvis – Solar Systems of Indiana
- Sherm Johnson – Ivy Tech
- Travis Murphy – Indiana Office of Energy Development

# Locations for Solar Training

- Ivy Tech - Lafayette
- IUPUI
- Ball State
- Purdue University
- IBEW Courses (e.g. Lake County Electricians)
- USW/ArcelorMittal Career Development
  - Affiliated with Department of Labor Grant for job re-training in energy efficiency / renewable energy

# Regional Observations

- Indiana has fewer solar installations, installers, instructors, and incentives than other Midwest states.
- Indiana has an underdeveloped, but growing network for solar education and advocacy.
- Solar training is being supported and institutionalized by community college programs

# Strategies for Indiana

- Solar training that leads to jobs
- Accredited instructors, institutions, and installers
- Teaching facilities and installation opportunities for hands-on solar training
- Your input is needed....